

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B65D81/32 A61C5/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B65D A61C B05C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	WO 01/44065 A (GREEN RONALD D) 21 June 2001 (2001-06-21) the whole document	1,7,75, 77-80 3
X	EP 0 249 701 A (THREE BOND CO LTD) 23 December 1987 (1987-12-23) page 5, line 8 - line 10; figures	3,7
P,X	EP 1 430 959 A (ERNST MUEHLBAUER GMBH & CO KG) 23 June 2004 (2004-06-23) the whole document	4-6
A	US 6 386 872 B1 (AOYAGI SHUJI ET AL) 14 May 2002 (2002-05-14) figures	1
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\* & \* document member of the same patent family

Date of the actual completion of the international search

8 November 2004

Date of mailing of the international search report

21/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Fournier, J

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 323 682 A (CREIGHTON JR ALBERT M ET AL) 6 June 1967 (1967-06-06) figures	1,3
A	US 2003/111490 A1 (PIERSON PAUL RICHARD) 19 June 2003 (2003-06-19) the whole document	2,4-6,76
A	US 5 333 760 A (SIMMEN CHRISTEN) 2 August 1994 (1994-08-02) figures	2
A	CH 669 164 A (WILHELM A KELLER) 28 February 1989 (1989-02-28) the whole document	2,4-6
A	US 5 743 436 A (CARUFEL ROGER J ET AL) 28 April 1998 (1998-04-28) cited in the application the whole document	2,4-6
A	DE 39 13 409 A (FISCHER ARTUR WERKE GMBH) 25 October 1990 (1990-10-25) the whole document	3,7
A	DE 92 06 892 U (IHDE) 3 December 1992 (1992-12-03) figures	3
A	US 5 535 922 A (MAZIARZ BERNARD J) 16 July 1996 (1996-07-16) the whole document	4-6
A	DE 101 33 075 A (SCHULTE GUENTER) 23 January 2003 (2003-01-23) figures	4-6
A	EP 0 783 872 A (VOCO GMBH) 16 July 1997 (1997-07-16) figures	4-6
A	US 5 249 709 A (CLEMENS RICHARD W ET AL) 5 October 1993 (1993-10-05) figures	2,4-6

# INTERNATIONAL SEARCH REPORT

national application No.  
PCT/EP2004/007178

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 8-74  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

Continuation of Box II.2

Claims Nos.: 8-74

This international application contains multiple dependent claims drafted in a manner different from that provided for in Rule 6.4(a), second and third sentence. Claim 7 which is a multiple dependent claim serves as a basis for many other multiple dependent claims. This International Searching Authority makes an indication under Article 17(2)(b). A meaningful search is not possible for claims 8-74.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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